

# SMART ALL IN ONE DRIVES FOR ELECTRIC COMMERCIAL VEHICLES



MMA 80-8-CX1-U

## MMA 80 READY 2 USE ELECTRIC MOTOR SERIES

- variable speed permanent magnet motor
- integrated inverter
- compact design & low weight
- low noise & low vibration
- high power density & efficiency (motors with 92-94%)
- liquid cooled (water/glycol or oil)
- usable in on-/off-road and stationary applications
- freely placeable within the vehicle & no maintenance

# MAXIMUM POWER IN SMALLEST DIMENSIONS



MOTEG electric motors have been developed specifically for use in mobile applications. They offer the best solution between power, size, weight, noise, efficiency and costs. Compared to standard induction motors, our electric motors of the MMA-Series are up to 6 times lighter, 75% shorter and 3 design sizes smaller. In combination with the new MOTEG HV inverter, especially designed for mobile applications, they offer the optimum solution as „electro Mechanical Power Take Off (eMPTO)“ and to drive for example hydraulic pumps used in commercial vehicles.

- All in One Plug & Play: HV inverter / HV motor / control software
- Integrated inverter ⇒ no DC/DC converter necessary, no AC motor cable
- Battery supply voltage (DC nominal): 300 V - 800 V
- High Voltage Interlock (HVIL)
- CAN 2.0B/J1939 communication with UDS (optional)
- Cybersecurity & functional safety ready
- Maximum torque over wide speed range
- Customized shafts, flanges and coolant connectors possible
- IP 67 protection class

Type	Voltage [V <sub>DC</sub> ]	Motor power [kW]	Rated-/Max Torque [Nm]	Rated-/Max Speed [min <sup>-1</sup> ]	Dimensions (l x w x h) [mm]	Weight [kg]
MMA 80-8-AA1-U	560-800	5,2	16,5 / 21,5	3000 / 3800	217 x 223 x 251	11,6
MMA 80-8-AC1-U	325-400	5,2	16,5 / 21,5	3000 / 3800	217 x 223 x 251	11,6
MMA 80-8-BA1-U	560-800	4	25,5 / 41,5	1500 / 1500	217 x 223 x 251	14
MMA 80-8-BC1-U	560-800	7,9	25 / 41,5	3000 / 3000	217 x 223 x 251	14
MMA 80-8-BC1-U	325-400	4	25,5 / 41,5	1500 / 1500	217 x 223 x 251	14
MMA 80-8-BD1-U	325-400	7,9	25 / 41,5	3000 / 4000	217 x 223 x 251	14
MMA 80-8-CA1-U	560-800	10	32 / 67,5	3000 / 4000	257 x 223 x 251	17
MMA 80-8-CB1-U	325-400	10	32 / 52,5	3000 / 4000	257 x 223 x 251	17